

Contents:

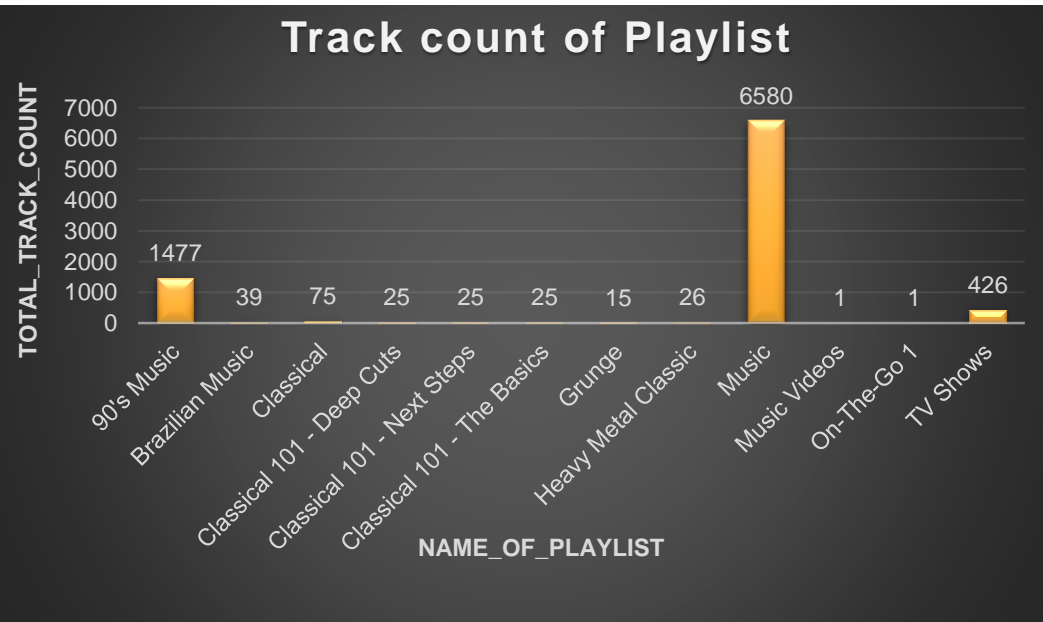


(All data and videos are referred as given by Udacity Data foundation Nanodegree only)

What is the total number of Tracks in each playlist ?

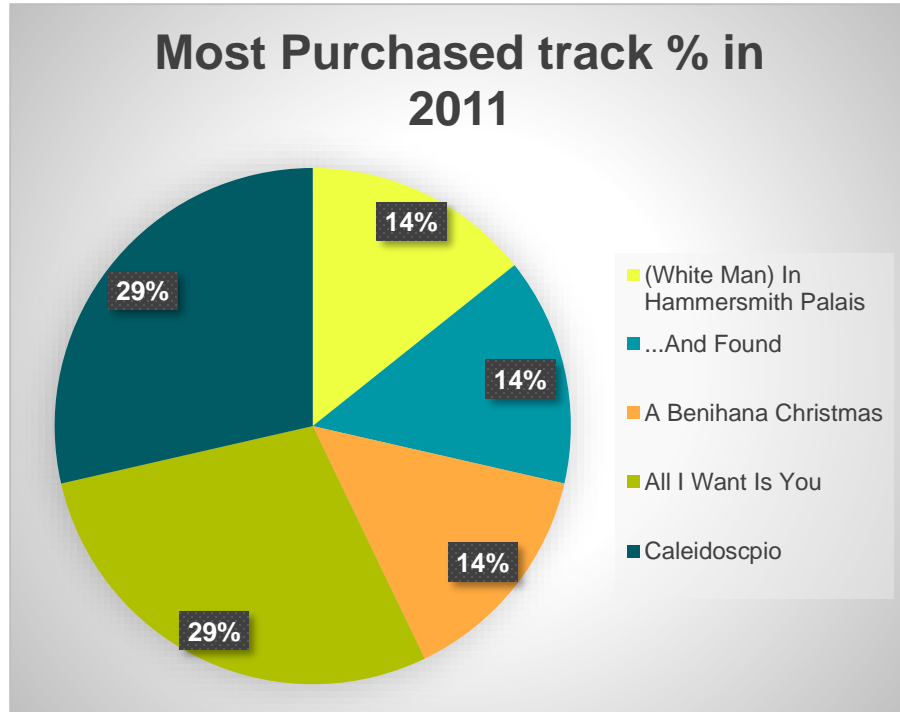
On Chinook Database after running below query to show the total number of tracks in each playlist it concludes the below bar chart visualization :

- Here we can describes that Playlist with the highest number of tracks is named as **Music** (assuming it includes all type of music) with 6580 tracks under its name, then follows the **90's music** with the **second** highest track listed in this Playlist with 1477 tracks.
- The least number of tracks are **On-The-Go-1** and **Music Videos** Playlist with only 1 Track under its playlist



```
select p.name as Name_Of_Playlist,  
count(pl.playlistid) as Total_Track_count  
  
from PlaylistTrack as pl  
  
join playlist as p  
  
on p.playlistid = pl.playlistid  
  
group by p.name ;
```

Which is the Most purchased Track of the year 2011?



From the Chinook Database when we calculate the values of Purchased track in terms of percentage :

- **“All I Want Is You”** and **“Caleidoscpio”** are the two most Purchased Track of the year 2011
- And other three tracks held the same position of 14% purchase in year 2011.

```
select t.name, count(t.name) as Count_Of_Purchase
from track as t
join invoiceline as il on il.trackid = t.trackid
join invoice as i on il.invoiceid = i.invoiceid
where strftime('%Y', i.invoicedate) = "2011"
group by t.name
order by Count_Of_Purchase DESC
limit 5;
```

Which sales agent made the most in sales in a year 2009?

From Database we are calculating which Sales agent has made the most sales in a year 2009 :

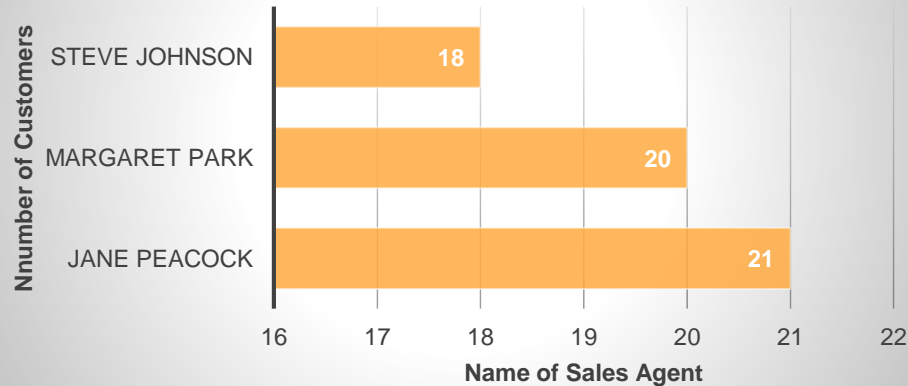
- Looking at the given visualization, We can illustrate that the Winner is **Steve** with 164.34 sales who made the most sales in year 2009 among other two Sales Agents.
- Whereas **Margaret** is the Runner-up with 161.37

```
select e.firstName , e.lastName , sum(i.total) as  
Total  
from Invoice as i  
join customer as c on c.customerid = i.customerid  
join employee as e on e.employeeid =  
c.supportrepid  
where i.invoiceDate like '2009%'  
group by e.Employeeid  
order by Total desc ;
```



What is the count of customers assigned to each sales agent ?

Count of Customers assigned to each Sales Agent



The answer to the above question is:

- We can depict from bar-graph that most number of customers are assigned to the **Jane Peacock** that is **21** customers.
- Then Margaret park has just one less customer than Jane and Steve Johnson had 18 customers.

```
select e.firstname || ' ' || e.lastname as  
Employee_Name, count(c.customerid) as  
Count_Of_Customers  
from employee as e  
join customer as c on c.supportrepid = e.employeeid  
group by Employee_Name ;
```